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ABSTRACT DEADLINE: JUNE 21, 2005

**REMINDER:** In fairness to all potential authors,  
late abstracts will not be accepted.

## MRS Symposium S: Nanomaterials and the Environment

The objective of this symposium is to highlight the latest research results in the nascent, but ongoing, topic of the environmental aspects of nanomaterials. This forum is intended to bring together materials scientists, chemists, biologists, toxicologists, and ecologists to foster a cross-disciplinary discussion of: 1) the application of nanotechnology to the environment for the purposes of sensing and monitoring, remediation and treatment, and pollution prevention; and 2) the implications of nanotechnology on the environment, including potential health and environmental effects of nanomaterials. The symposium is also intended to encourage industry and research experts to include sustainability and materials and energy flow efficiency aspects in their development projects. Societal, regulatory, and policy issues, along with nomenclature and measurement standards, will also be topics of discussion.

Topics include, but are not limited to:

- Nanotech-enabled sensors to monitor substances of environmental interest
- Environmentally benign nanocomposites
- Treatment and remediation using nanotechnology
- Nanocatalysts for greener technologies
- Environmentally benign nanomanufacturing
- Nanotech-enabled green energy sources
- Fate and transport of nanostructured materials
- Toxicology and biological interactions of nanomaterials
- Nomenclature, measurements, and standards for nanosized materials
- Nanotechnology, society, government, and policy

Joint sessions are anticipated with Symposia O: *Nanoparticles and Nanostructures in Sensors and Catalysis*, and G: *Life-Cycle Analysis Tools for "Green" Materials and Process Selection*.

**Invited speakers** (tentative) include: **Kevin Dreher** (EPA), **Scott Martin** (Harvard Univ.), **Scott McNeil** (NCL/NCI), **Sonia Miller** (CTBA), **Gunter Oberdorster** (Univ. of Rochester), **Deborah Rolison** (Naval Research Lab), **Vicki Stone** (Napier Univ., United Kingdom), **Vivek Subramanian** (Univ. of California-Berkeley), **Nongjian Tao** (Arizona State Univ.), **David Warheit** (DuPont), and **Wei-Xian Zhang** (Lehigh Univ.).

## Symposium Organizers

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